

Contents of *Aquatic Botany*, Volume 38

VOL. 38 NO. 1

OCTOBER 1990

Preface

Adaptation of plants to flooding C.W.P.M. Blom (Nijmegen, The Netherlands)	1
Root aerenchyma oxygen leakage patterns and alcoholic fermentation ability of the roots of some nymphaeid and isoetid macrophytes in relation to the sediment type of their habitat A.J.M. Smits, P. Laan, R.H. Thier and G. van der Velde (Nijmegen, The Netherlands)	3
Alcohol dehydrogenase isozymes in the roots of some nymphaeid and isoetid macrophytes. Adaptations to hypoxic sediment conditions? A.J.M. Smits, R.M.J.C. Kleukers, C.J. Kok and G. van der Velde (Nijmegen, The Netherlands)	19
Adaptations to flooding in plants from river areas C.W.P.M. Blom, G.M. Bögemann, P. Laan, A.J.M. van der Sman, H.M. van de Steeg and L.A.C.J. Voesenek (Nijmegen, The Netherlands)	29
Hormones and developmental change in plants subjected to submergence or soil waterlogging M.B. Jackson (Bristol, Gt. Britain)	49
Ecophysiology of plants in waterlogged and flooded environments W.H.O. Ernst (Amsterdam, The Netherlands)	73
Genetic variation and adaptation to flooding in plants A.J. Davy, S.M. Noble and R.P. Oliver (Norwich, Gt. Britain)	91
Bacterial cycling of minerals that affect plant growth in waterlogged soils: a review H.J. Laanbroek (Heteren, The Netherlands)	109
Anatomical adaptations to waterlogging in roots of wetland graminoids: limitations and drawbacks H. Končalová (Třeboň, Czechoslovakia)	127

VOL. 38 NOS. 2-3

NOVEMBER 1990

Temperature limits at the distribution boundaries of four tropical to temperate species of <i>Cladophora</i> (Cladophorales: Chlorophyta) in the North Atlantic Ocean M.L. Cambridge, A.M. Breeman and C. van den Hoek (Haren, The Netherlands)	135
Monitoring of nutrient availability and limitation using the marine macroalga <i>Ceramium rubrum</i> (Huds.) C. Ag. J.E. Lyngby (Horsholm, Denmark)	153
Sediment seedbanks in grassland on the Magela Creek floodplain, northern Australia C.M. Finlayson, I.D. Cowie and B.J. Bailey (Jabiru, N.T., Australia)	163
Anatomy of the seed and seedling of <i>Spartina alterniflora</i> Lois. (Poaceae) G.E. Walsh (Gulf Breeze, FL, U.S.A.)	177

Competition for space between <i>Eichhornia crassipes</i> (Mart.) Solms and <i>Pistia stratiotes</i> L. cultured in nutrient-enriched water	
M. Agami and K.R. Reddy (Gainesville, FL, U.S.A.)	195
Effects of nitrate, ammonium and salinity on growth of the mangrove <i>Bruguiera gymnorrhiza</i> (L.) Lam.	
G. Naidoo (Durban, South Africa)	209
Gas exchange and carbon fixation properties of the mat-forming cyanophyte <i>Lyngbya birgei</i> G.M. Smith	
S. Beer, W. Spencer, G. Bowes (Gainesville, FL, U.S.A.) and G. Holbrook (DeKalb, IL, U.S.A.)	221
Effects of canopy formation by floating and submergent aquatic macrophytes on the water quality of two shallow Pacific Northwest lakes	
J.D. Frodge, G.L. Thomas and G.B. Pauley (Seattle, WA, U.S.A.)	231
Germination in the marine phanerogam <i>Zostera noltii</i> Hornemann at Golfe Juan, French Mediterranean	
F. Loques, G. Caye and A. Meinesz (Nice, France)	249
A contribution to the natural history of <i>Althenia filiformis</i>	
C.D.K. Cook and Y.-H. Guo (Zürich, Switzerland)	261

Short Communications

The floral biology of <i>Groenlandia densa</i> (L.) Fourreau (Potamogetonaceae)	
Y.-H. Guo and C.D.K. Cook (Zürich, Switzerland)	283
Absence of allelopathic effects of <i>Chara</i> on phytoplankton in situ	
C. Forsberg, S. Kleiven and T. Willén (Uppsala, Sweden)	289
Axenic culture of <i>Lemna trisulca</i> L.	
D.B. Huebert, A.L. McIlraith, J.M. Shay and G.G.C. Robinson (Winnipeg, Man., Canada)	295
Seed bank dynamics of <i>Lythrum salicaria</i> L.: implications for control of this species in North America	
C.H. Welling and R.L. Becker (St. Paul, MN, U.S.A.)	303

Book Reviews

Conservation and management of lakes	311
Photosynthetic pigments of algae	313

VOL. 38 NO. 4

DECEMBER 1990

Formation, colonization and fate of floating sudds in the Maunachira river system of the Okavango Delta, Botswana	
K. Ellery, W.N. Ellery, K.H. Rogers and B.H. Walker (Johannesburg, South Africa)	315
The toxicity of chromium (VI) to photosynthesis of the phytoplankton assemblage of Lake Erie and the diatom <i>Fragilaria crotonensis</i> Kitton	
D.G. Wallen (Windsor, Ont., Canada)	331
The pollination ecology of <i>Zannichellia palustris</i> L. (Zannichelliaceae)	
Y.-H. Guo, C.D.K. Cook (Zurich, Switzerland), R. Sperry and P.A. Cox (Provo, UT, U.S.A.)	341
Influence of temperature, light and nutrient limitation on anthocyanin content of <i>Potamogeton gramineus</i> L.	
D.F. Spencer and G.G. Ksander (Davis, CA, U.S.A.)	357

Seasonal changes in standing crop of <i>Zostera muelleri</i> in south-eastern Australia E.A. Kerr and S. Strother (Geelong, Vic., Australia)	369
Uptake and photosynthetic utilization of sediment-derived carbon by <i>Phragmites australis</i> (Cav.) Trin. ex Steudel H. Brix (Risskov, Denmark)	377
Short Communication	
Extension of the range of <i>Heterozostera tasmanica</i> (Martens ex Aschers.) den Hartog in Chile S.A. González and M.E. Edding (Coquimbo, Chile)	391
Author Index	397